

Receiving Report

Date: 7/5/8

Batch No: 134464

Supplier: monroe

Dart P/O: 36192

Packing Slip: Yes No
 Invoice: Yes No
 Receipt: Cash Cr
 New Supplier Yes No

Release Note Attached: Yes No N/A
 Waybill Attached: Yes No
 Shipment Complete: Yes No N/A
 QC18 Inspection _____
 Work Order _____

Discrepancies

Part Number	Description	Quantity Ordered	Quantity Rec'd	Quantity Short	Quantity Inspected	Quantity Rejected	Comment / NCR Number

Initials of Receiver

QC12



Production/Admin:

Date

Received/Costing

Initial

Location



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO36192**

Purchase Order Date 5/4/2017
PO Print Date 5/8/2017

Page Number 1 of 4

Order From :

MONROE AEROSPACE
399 EAST DRIVE
MELBOURNE, FLORIDA 32904
USA

VU-EC001

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

REVIEWED

Contact Name
Vendor Phone 1-321-727-0047

Buyer Chantal Lavoie

Customer POID

10127-2607

Customer Tax #

Net 30

Terms

USD

Currency

FCA - (Free Carrier)

FOB

Ship To Contact
Ship To Phone
Ship Via: FedEx Economy collect
Ship Acct:

Line Nbr	Reference Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	AN4-41A	Bolt	5/9/2017 Yes 5/9/2017	41.00 Each		\$0.84	\$34.44
2	AN4-6A	BOLT	5/9/2017 Yes 5/9/2017	600.00 Each		\$0.14	\$84.00
3	AN5-32A	Bolt	5/9/2017 Yes 5/9/2017	120.00 Each		\$0.68	\$81.60

50175-8

Note:



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO36192**

Purchase Order Date 5/4/2017
PO Print Date 5/8/2017

Page Number 2 of 4

Order From :

MONROE AEROSPACE
399 EAST DRIVE
MELBOURNE, FLORIDA 32904
USA

VU-EC001

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone 1-321-727-0047

Ship To Contact
Ship To Phone
Ship Via: FedEx Economy collect
Ship Acct:

Buyer Chantal Lavoie
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency USD
FOB FCA - (Free Carrier)

4 AN5-42A

Bolt

5/9/2017 FN
Yes
5/9/2017

10.00
Each

Line Total: \$81.60
\$1.85
\$18.50

5 AN6-13A

BOLT

5/9/2017
Yes
5/9/2017

20.00
Each

Line Total: \$18.50
\$0.50
\$10.00

6 MS21042L08

Nut

5/9/2017 FN
Yes
5/9/2017

300.00
Each

Line Total: \$10.00
\$0.15
\$45.00

Line Total: \$45.00

Note:

QTY 58-



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO36192**

Purchase Order Date 5/4/2017
PO Print Date 5/8/2017

Page Number 4 of 4

Order From :

MONROE AEROSPACE
399 EAST DRIVE
MELBOURNE, FLORIDA 32904
USA

VU-EC001

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone 1-321-727-0047

Ship To Contact

Ship To Phone

Ship Via: FedEx Economy collect

Ship Acct:

Buyer Chantal Lavoie

Customer POID

Customer Tax # 10127-2607

Terms Net 30

Currency USD

FOB FCA - (Free Carrier)

Line Total: \$0.00

PO Total: \$451.54

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Change Nbr: 6

Change Date: 5/8/2017

ECAS, LLC
CUSTOMS INVOICE

No: H999863

Package Details:

Number of Pieces: 1
Total Weight: 40.3

Deliver To:

DART AEROSPACE LTD.
ATTN: RECEIVING
1270 ABERDEEN STREET
HAWKESBURY, ON K6A 1K7
CANADA

Carrier	A/W Bill	Flight Number/Date	House A/W Bill
113- FX INT ECONOMY 151793240	665765288313		

QTY	Part No.	Description	Serial Number	Origin	Value	Ext Value	Cust PO#
✓ 1	AN4-41A	BOLT UNDRILLED		USD	\$0.840	\$34.440	PO36192 ✓
✓ 600	AN4-6A	BOLT UNDRILLED		USD	\$0.140	\$84.000	PO36192 ✓
✓ 120	AN5-32A	BOLT UNDRILLED		USD	\$0.680	\$81.600	PO36192 ✓
✓ 10	AN5-42A	BOLT UNDRILLED		USD	\$1.850	\$18.500	PO36192 ✓
✓ 20	AN6-13A	BOLT UNDRILLED		USD	\$0.500	\$10.000	PO36192 ✓
✓ 300	MS21042L08	SELF LOCKING NUT		USD	\$0.150	\$45.000	PO36192 ✓
✓ 300	MS21075L3N	NUTPLATE		USD	\$0.500	\$150.000	PO36192 ✓
✓ 200	MS27039-0819	STRUCTURAL SCREW		USD	\$0.140	\$28.000	PO36192 ✓

SP17-5-8

Total: \$451.540

Home Total: \$451.540

The goods are supplied to you under the terms of your end-use.
I do hereby declare to the best of my knowledge the invoice to be true and correct.

Signed: _____

For and on behalf of ECAS, LLC

Inspectors Stamp


PACKING SLIP

INVOICE #: 599289

DATE PRINTED: 5/5/2017

TIME: 4:14:21 PM

OF ITEMS: 8

PAGE: 1

TO: DART AEROSPACE LTD.
ACCTS. PAYABLE
1270 ABERDEEN STREET
HAWKESBURY, ON K6A 1K7
CANADA

SHIP TO: DART AEROSPACE LTD.
ATTN: RECEIVING
1270 ABERDEEN STREET
HAWKESBURY, ON K6A 1K7
CANADA

ATTN: CHANTAL LAVOIE
Ph: 613.632.3336 Fax: 613.632.5246

INVOICE DATE: 5/5/2017

TERMS: NET 30

WEIGHT: 40.3

SHIP VIA: 113- FX INT ECONOMY

ORDER DATE: 5/5/2017

CUST PO: PO36192

OF BOXES: 1

SHIP DATE: 5/5/2017

FOB: MELBOURNE, FL

SHIPMENT #: 0

SALES ORDER #: 531882

AWB: 665765288313

YOUR MONROE ACCOUNT REP: Luis Sepulveda

CUSTOMER #: 16754

ITEM	PART NUMBER/DESCRIPTION	SHIPPED	B/O	CD	UNIT PRICE	UOM
1	AN4-41A BOLT UNDRILLED	✓ 41.00	109.00	NE		
	MFR: AFC	LOT: 12903		REV: 3		
	Control #: 152195-3					
2	45/41 NV FL AN4-6A BOLT UNDRILLED	✓ 600.00	0.00	NE		
	MFR: AFC	LOT: 22267				
	Control #: 124690-2					
3	AN5-32A BOLT UNDRILLED	✓ 120.00	0.00	NE		
	MFR: AFC	LOT: 15137				
	Control #: 133737-4					
4	AN5-42A BOLT UNDRILLED	✓ 10.00	0.00	NE		
	MFR: RVT	LOT: 4953				
	Control #: 137712-1					
5	AN6-13A BOLT UNDRILLED	✓ 20.00	0.00	NE		

SPECIAL INSTRUCTIONS:

SO17-58

We Thank You For Your Continued Business!

MONROE TAX ID: 47-3784072

**PACKING SLIP**

INVOICE #: 599289

DATE PRINTED: 5/5/2017

TIME: 4:14:22 PM

OF ITEMS: 8

PAGE: 2

TO: DART AEROSPACE LTD.
ACCTS. PAYABLE
1270 ABERDEEN STREET
HAWKESBURY, ON K6A 1K7
CANADA

ATTN: CHANTAL LAVOIE
Ph: 613.632.3336 Fax: 613.632.5246

SHIP TO: DART AEROSPACE LTD.
ATTN: RECEIVING
1270 ABERDEEN STREET
HAWKESBURY, ON K6A 1K7
CANADA

INVOICE DATE: 5/5/2017

TERMS: NET 30

WEIGHT: 40.3

SHIP VIA: 113- FX INT ECONOMY

ORDER DATE: 5/5/2017

CUST PO: PO36192

OF BOXES: 1

SHIP DATE: 5/5/2017

FOB: MELBOURNE, FL

SHIPMENT #: 0

SALES ORDER #: 531882

AWB: 665765288313

YOUR MONROE ACCOUNT REP: Luis Sepulveda

CUSTOMER #: 16754

ITEM	PART NUMBER/DESCRIPTION	SHIPPED	B/O	CD	UNIT PRICE	UOM
6	Control #: 153591-1 MS21042L08 SELF LOCKING NUT	300.00	0.00	NE		
7	MFR: AFC Control #: 137980-1 MS21075L3N NUTPLATE	300.00	0.00	NE		
8	MFR: ALCOA Control #: 131275-1 MS27039-0819 STRUCTURAL SCREW	200.00	0.00	NE		
	MFR: CRESCENT Control #: 128337-1	80838				

SO/17-5-8

SPECIAL INSTRUCTIONS:

We Thank You For Your Continued Business!

MONROE TAX ID: 47-3784072



MONROE TAX ID: 47-3784072

Invoice

INVOICE #: 599289

DATE PRINTED: 5/5/2017

TIME: 4:14:03 PM

OF ITEMS: 8

PAGE: 1

TO: DART AEROSPACE LTD.
ACCTS. PAYABLE
1270 ABERDEEN STREET
HAWKESBURY, ON K6A 1K7
CANADA

SHIP TO: DART AEROSPACE LTD.
ATTN: RECEIVING
1270 ABERDEEN STREET
HAWKESBURY, ON K6A 1K7
CANADA

ATTN: CHANTAL LAVOIE
Ph: 613.632.3336 Fax: 613.632.5246

INVOICE DATE: 5/5/2017

TERMS: NET 30

WEIGHT: 40.3

SHIP VIA: 113- FX INT ECONOMY

ORDER DATE: 5/5/2017

CUST PO: PO36192

OF BOXES: 1

SHIP DATE: 5/5/2017

FOB: MELBOURNE, FL

SHIPMENT #: 0

SALES ORDER #: 531882

AWB: 665765288313

YOUR MONROE ACCOUNT REP: Luis Sepulveda

CUSTOMER #: 16754

ITEM	PART NUMBER/DESCRIPTION	SHIPPED	B/O	CD	UNIT PRICE	UOM	TOTAL AMT
1	AN4-41A BOLT UNDRILLED ECCN#: 9A991 SCHB#: 7318.15.2000	41.00	109.00	NE	0.8400	EA	\$34.440
2	45/41 NV FL AN4-6A BOLT UNDRILLED ECCN#: 9A991 SCHB#: 7318.15.2000	600.00	0.00	NE	0.1400	EA	\$84.000
3	AN5-32A BOLT UNDRILLED ECCN#: 9A991 SCHB#: 7318.15.2000	120.00	0.00	NE	0.6800	EA	\$81.600
4	AN5-42A BOLT UNDRILLED ECCN#: 9A991 SCHB#: 7318.15.2000	10.00	0.00	NE	1.8500	EA	\$18.500
5	AN6-13A BOLT UNDRILLED ECCN#: 9A991 SCHB#: 7318.15.2000	20.00	0.00	NE	0.5000	EA	\$10.000
6	MS21042L08 SELF LOCKING NUT MFR: AFC	800.00	0.00	NE	0.1500	EA	\$45.000

SPECIAL INSTRUCTIONS:

S0175-8

We Thank You For Your Continued Business!



MONROE TAX ID: 47-3784072

Invoice

INVOICE #: 599289
DATE PRINTED: 5/5/2017
TIME: 4:14:06 PM
OF ITEMS: 8
PAGE: 2

TO: DART AEROSPACE LTD.
ACCTS. PAYABLE
1270 ABERDEEN STREET
HAWKESBURY, ON K6A 1K7
CANADA

ATTN: CHANTAL LAVOIE
Ph: 613.632.3336 Fax: 613.632.5246

SHIP TO: DART AEROSPACE LTD.
ATTN: RECEIVING
1270 ABERDEEN STREET
HAWKESBURY, ON K6A 1K7
CANADA

INVOICE DATE: 5/5/2017 TERMS: NET 30 WEIGHT: 40.3 SHIP VIA: 113-FX INT ECONOMY
ORDER DATE: 5/5/2017 CUST PO: PO36192 # OF BOXES: 1
SHIP DATE: 5/5/2017 FOB: MELBOURNE, FL SHIPMENT #: 0
SALES ORDER #: 531882
CUSTOMER #: 16754 AWB: 665765288313 YOUR MONROE ACCOUNT REP: Luis Sepulveda

ITEM	PART NUMBER/DESCRIPTION	SHIPPED	B/O	CD	UNIT PRICE	UOM	TOTAL AMT
	ECCN#: 9A991 SCHB#: 7318.16.0030 MFR: AFC LOT:24352						
7	MS21075L3N NUTPLATE ECCN#: 9A991.d SCHB#: 7318.16.0000 MFR: ALCOA LOT:36894	300.00	0.00	NE	0.5000	EA	\$150.000
8	MS27039-0819 STRUCTURAL SCREW ECCN#: 9A991 SCHB#: 7318.15.4000 MFR: CRESCENT LOT:80838	200.00	0.00	NE	0.1400	EA	\$28.000

*** Order Not Complete ***

SPECIAL INSTRUCTIONS:
SP17-58

SUB TOTAL:	\$451.540
TAX TOTAL:	\$0.000
MISC CHARGE:	\$0.000
FREIGHT:	\$0.000
TOTAL:	\$451.54
	USD

We Thank You For Your Continued Business!



CERTIFICATE OF CONFORMITY

NO: 599289

BILL TO:

DART AEROSPACE LTD.
ACCTS. PAYABLE
1270 ABERDEEN STREET
HAWKESBURY, ON K6A 1K7

SHIP TO:

DART AEROSPACE LTD.
ATTN: RECEIVING
1270 ABERDEEN STREET
HAWKESBURY, ON K6A 1K7

CUSTOMER PO	SHIP DATE	AIRWAY BILL/TRACKING #
PO36192	5/5/2017	665765288313

PART NO:	Description	CND	QTY	S/L		MFR:
AN4-41A REV: 3	BOLT UNDRILLED Customer Reference:	NE	41	21	LOT: 12903	AFC
AN4-6A	BOLT UNDRILLED Customer Reference:	NE	600	39	LOT: 22267	AFC
AN5-32A	BOLT UNDRILLED Customer Reference:	NE	120	22	LOT: 15137	AFC
AN5-42A	BOLT UNDRILLED Customer Reference:	NE	10	13	LOT: 4953	RVT
AN6-13A REV: 3	BOLT UNDRILLED Customer Reference:	NE	20	29	LOT: 25482	AFC
MS21042L08	SELF LOCKING NUT Customer Reference:	NE	300	62	LOT: 24352	AFC
MS21075L3N	NUTPLATE Customer Reference:	NE	300	78	LOT: 36894	ALCOA
MS27039-0819	STRUCTURAL SCREW Customer Reference:	NE	200	13	LOT: 80838	CRESCENT

CONDITIONS: NE - New OH-OVERHAULED RP-REPAIRED SV-SERVICEABLE

We hereby certify that the items that are a part of this Purchase Order have been visually & dimensionally found to conform to all applicable standards, drawings & specifications. The liability of ECAS, LLC is limited to replacement of any item which is rejected because of a defect in material or workmanship if notified within 30 days & liability shall not exceed the invoice value. Such replacement shall constitute satisfaction of all liability.

SIGNED: _____

For and on behalf of ECAS, LLC dba MONROE AEROSPACE



2655 Harrison Ave. SW
Canton, Ohio 44706-3047
Phone: 330-430-6190
Fax: 330-430-6199

CERTIFICATE OF CONFORMANCE

ECAS LLC

I Hereby Certify that on 01/26/17 Airfasco Industries provided the supplies called for by Contract/ PO Number FL78457 in accordance with all applicable requirements for shipment. I further state that the process certifications are in conformance with the contract requirements, including specifications and/or drawings, physical item identification (part number) and the quantity shown on this or attached acceptance document. The part numbers certified below have been manufactured in the United States. DFAR 252.225-7009 compliant in fastener base raw material melt source only, with heat number and country, does not include the post cadmium metal plating.

Quality Assurance Representative


WM. DENT



2655 Harrison Ave. SW
Canton, Ohio 44706-3047
Phone: 330-430-6190
Fax: 330-430-6199

PHYSICAL AND CHEMICAL CERTIFICATION

DATE MFG.: 11/10/14

PART NO.: AN4-41A per NASM4-41A rev. 3

AFC LOT NO.: 12903

QTY MFG.: 66,550

PROCUREMENT SPECIFICATION: Produced per NASM 6812

HEAT TREAT

VENDOR: Brite Metal

CERTIFICATION NO.: B-135010

PROCUREMENT SPECIFICATION: Heat Treat per MIL-H-6875 H

PLATING

VENDOR: Beringer Plating

CERTIFICATION NO.: 42386

PROCUREMENT SPECIFICATION: Cadmium Plate per AMS QQ-P-416, Type II, Class 2, F

MATERIAL

MILL: Republic/BCS

COUNTRY OF MELT: USA

HEAT: 532087

GRADE SPECIFICATION: Alloy Steel per AMS 6300 E, Type 4037, .275"

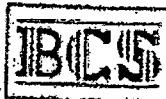
4037 MATERIAL CHEMISTRY											
ELEMENT-ID.	-C-	-MN-	-P-	-S-	-SI-	-NI-	-CR-	-MO-	-CU-	-AL-	Other
LADLE	.360	.750	.015	.006	.280	.022	.021	.210	.029	.043	

PHYSICAL PROPERTIES				
PHYSICAL	TENSILE	YIELD	SHEAR	HARDNESS
REQUIRED	4,080 lbs.	3,130 lbs.	3,680 lbs.	HRC 26-32
ACTUAL	5,229 lbs.	4,685 lbs.	4,226 lbs.	HRC 29-30

We hereby certify that the above data is correct and that the fasteners have been manufactured and inspected in accordance with Airfasco Industries quality requirements.

Airfasco Industries
Quality Assurance Representative:

T. West



Bluff City Steel, LLC
P.O. Box 13191
Memphis TN 38113

Phone (901) 946-1005
Fax (901) 948-6266

Material Certification

Sold To		Ship To			
Airfasco Industries, Inc.	2655 Harrison Avenue SW	Airfasco Industries	2655 Harrison Avenue SW	Purchase Order	40144
Canton, Ohio 44706		Canton, Ohio 44706		Order	18143
Product	Rod CHQ Anneal P/LUBE 7.0 4037 Silicon Killed Fine Grain Round			Heat/Lot	532087
				Customer Part	
				Tensile	75734
				Customer Spec	
				Bill of Lading #	28151

Product Specification Testing		Results	Results	Vendor	Arcelor
				Origin	U.S.A.
				Order Notes	

Heat Chemistry

Al	C	Cr	Cu	Mn	Mo	N	Ni
0.0430	0.3600	0.0210	0.0290	0.7500	0.2100	0.0050	0.0220
P	S	Si					
0.0150	0.0080	0.2600					

RECEIVED
OCT 30 2006

Approved By:

Date:



A DIVISION OF J.T. ADAMS CO., INC.

4520 WILLOW PARKWAY
CLEVELAND, OHIO 44125
PHONE (216) 641-3290
FAX (216) 641-1223
www.tensile.com

CERTIFIED TEST REPORT

Airfasco Industries Inc.
2655 Harrison Ave. SW
Canton OH 44706

Job No.: B4-190-740
Date: 7-10-14
Cust. PO#: 61092

Description: 1 sample Mill: Republic Steel Country of Melt: USA
Material: 4037 Heat# 532087
Spec: AMS 6300E

TEST RESULTS

Product Analysis of Elements in % (OES per TTML C-011):

	<u>Actual</u>	<u>Requirements</u>
Carbon	0.38	0.35-0.40
Manganese	0.77	0.70-0.90
Phosphorus	0.023	0.040 Max.
Sulfur	0.011	0.040 Max.
Silicon	0.29	0.15-0.35
Chromium	0.02	0.20 Max.
Nickel	0.02	0.25 Max.
Molybdenum	0.20	0.20-0.30
Columbium	0.006	N/A
Aluminum	0.051	N/A
Copper	0.04	0.35 Max.
Vanadium	0.002	N/A
Titanium	0.004	N/A

The above conforms to specifications listed.

Frank W. Wepman
Authorized Agent



Page 1 of 1

This Report May Not Be Reproduced Except In Full
This report represents Tensile Testing interpretation of the results obtained from the test and is not to be construed as a Guaranty or
Warranty of the condition of the materials tested. Tensile Testing shall not be held liable for misinterpretation of conditions, loss,
damage, injury or death arising from or attributable to delay preceding a test or subsequent to performance of a test.

CERTIFICATE OF COMPLIANCE

Approved by Bruce Hogie
Revision Date: 3-9-04

SUPPLIER: BERINGER PLATING, INC.
1211 DeValera Ave.
Akron, OH 44310

CUSTOMER: Airfasco Industries, Inc.

Purchase Order Number 16565

Part Number AN4-41A Rev.

Lot Quantity 4,134 lbs. 42386

Specification Cad/QQ-P-416F Amendment 3 Ty 2 Cl 2

Coating thickness .0003"

Baking (if required) N/A Hours at F

Inspection Level to applicable standard:
S-3 of MIL-STD-105D: 4 % ACC. X Gordan

ASTM B602 Table II: 1.50%

Aircraft Braking System: 1%

Certified By: James Beringer Jr. Date: 12/20/06

James Beringer Jr.
President

CERTIFICATION OF PROCESS

BRITE METAL TREATING, INC.
8640 BESSEMER AVENUE
CLEVELAND, OHIO 44127

CUSTOMER: AIRFASCO INDUSTRIES, INC.
2655 Harrison Ave., S.W.
Canton, OH 44706

THIS IS TO CERTIFY THAT BRITE METAL TREATING INC. HAS PROCESSED THE FOLLOWING MATERIAL IN ACCORDANCE WITH MOST WIDELY ACCEPTED METALLURGICAL PROCEDURE.

AFC P.O. NO. 16547 WEIGHT 4,134# NO. BINS 5
DESCRIPTION AN4-41A LOT NO. 12903 HEAT NO. - 532087
BMT ORDER NO: B- 135010 Core Hardness Specifications: 28-32 RC
DATE RECEIVED 12/7/06 DATE SHIPPED 12/11/06

HEAT TREATING TEST RESULTS

NUMBER OF SAMPLES 15 pcs
CORE HARDNESS 28-30 RC

INSPECTOR U.L

SIGNED 

TITLE C.E.O.

DATE 12/9/06

RECEIVED

DEC 11 2006

Carroll

AIRFASCO Industries

2655 Harrison Avenue SW Canton, OH 44706

Nondestructive Testing Certification Wet Fluorescent Magnetic Particle Inspection Technique

Part Data

Part Number	Lot Number	Dimensions	Part Description
AN4-41A	12903	1/4-28 x 4 5/32	BOLT-MACHINE, AIRCRAFT

Reference Data

Specification	Procedure Number	Acceptance Criteria
ASTM E1444	MT-1	No Cracks, NASM 6812

Inspection Equipment Data

Model Number	Manufacturer	Serial Number
H-800 Retro	Magnaflux Corporation	91R00150

Inspection Material Data

Particles	Mfr	Batch No.	Carrier	Mfr	Batch No.
14A	Magnaflux	10G078	MG II	Magnaflux	14B056

Technique Data

Type Current	Circular Field		Longitudinal Field	
	Headshot Amps	Central Conductor Amps	Coil shot Amps	Coil Turns
FWDC	170	N/A	520	5

Particle application by the flow method, continuous technique

Demagnetization performed by the AC Coil method, Residual field +/- 2

Inspection Results

Lot Size	Inspection Sample Size	Quantity accepted	Quantity rejected
66074	80	80	0

Notes:

Performed by / Level	Reviewed & Approved by:	Date
		8/5/14
D. SHOUP ASNT NDT LIII#176608	D. SHOUP ASNT NDT LIII#176608	



2655 HARRISON AVE. SW
CANTON, OH 44706
PHONE: (330)430-6190
FAX: (330)430-6199

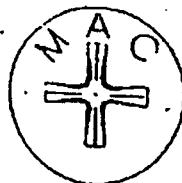
CERTIFICATE OF CONFORMANCE

EAST COAST AVIATION

I Hereby Certify that on 2/15/13 Airfasco Industries provided the supplies called for by Contract/ PO Number 65702 in accordance with all applicable requirements for shipment. I further state that the process certifications are in conformance with the contract requirements, including specifications and/or drawings, physical item identification (part number) and the quantity shown on this or attached acceptance document. The part numbers certified below have been manufactured in the United States. DFAR 252.225-7014 ALT 1 compliant in fastener base raw material melt source only, with heat number and country, does not include the post cadmium metal plating.

WM. DENT

Quality Assurance Representative



MAC FASTENERS, INC.
1110 E. ENTERPRISE
OTTAWA, KS 66067

**CERTIFICATE
OF
CONFORMANCE**

CUSTOMER M & M Aerospace		P. O NUMBER OR4787
PART NUMBER NAS517-2-00		LOT NUMBER 15137
QUANTITY 110,000	MATERIAL HEAT NUMBER D48300	DATE 3/5/02

WE HEREBY CERTIFY THAT THE PARTS FURNISHED
AGAINST THE ABOVE REFERENCED PURCHASE ORDER
WERE PROCESSED IN CONFORMANCE WITH ALL AP-
PLICABLE DRAWINGS AND SPECIFICATIONS. OBJEC-
TIVE EVIDENCE OF COMPLIANCE ARE ON FILE SUBJECT
TO EXAMINATION UPON REQUEST.

RECEIVED

SEP 16 2004

P102333-01-01
AERO FASTENER CO., INC.



Robert MacDonald
QUALITY ASSURANCE
Robert MacDonald, President

3/5/02

DATE

River Valley Tool and Manufacturing, Inc.
260 Airport Road
P.O. Box 64
Paris, AR 72855

**CERTIFICATE OF CONFORMANCE
AND
MANUFACTURE'S AFFIDAVIT**

Customer: Bild Industries

Certification Date: 09/25/2013

Customer PO: 81934

Part Number: AN5-42A

Revision: 2

Manufactures Lot Number: 4953

Quantity: 1,881

Country of Origin: United States of America

DFARS 252.225-7014, Alternate 1 Compliant

We certify that the parts furnished against the above referenced purchase order were manufactured by River Valley Tool and Manufacturing, Inc. within the USA, and were processed in conformance with all applicable drawings and specifications. Objective evidence of compliance is on file, subject to examination upon request.


Quality Assurance Representative

River Valley Tool & Mfg., Inc. is registered to the requirements of ISO9001:2008 and AS9100C
Approval Certificate No. 0063064. SAI GLOBAL



2655 Harrison Ave. SW
Canton, Ohio 44706-3047
Phone: 330-430-6190
Fax: 330-430-6199

CERTIFICATE OF CONFORMANCE

ECAS

I Hereby Certify that on 04/11/17 Airfasco Industries provided the supplies called for by Contract/ PO Number FL79150 in accordance with all applicable requirements for shipment. I further state that the process certifications are in conformance with the contract requirements, including specifications and/or drawings, physical item identification (part number) and the quantity shown on this or attached acceptance document. The part numbers certified below have been manufactured in the United States. DFAR 252.225-7009 compliant in fastener base raw material melt source only, with heat number and country, does not include the post cadmium metal plating.

Quality Assurance Representative

WM. DENT



2655 Harrison Ave. SW
Canton, Ohio 44706-3047
Phone: 330-430-6190
Fax: 330-430-6199

PHYSICAL AND CHEMICAL CERTIFICATION

DATE MFG.: 01/08/16

PART NO.: AN6-13A per NASM6-13A rev. 3

AFC LOT NO.: 25482

QTY MFG.: 24,400

PROCUREMENT SPECIFICATION: Produced per NASM 6812

HEAT TREAT

VENDOR: Brite Metal

CERTIFICATION NO.: 171014

PROCUREMENT SPECIFICATION: Heat Treat per AMS 2759

PLATING

VENDOR: Beringer Plating

CERTIFICATION NO.: 91405

PROCUREMENT SPECIFICATION: Cadmium Plate per AMS-QQ-P-416 D, Type II, Class 2

MATERIAL

MILL: Evraz/Michigan Wire COUNTRY OF MELT: USA HEAT: 1Q2137

GRADE SPECIFICATION: Alloy Steel per AMS 6300 E, Type 4037, .390"

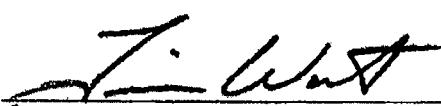
4037 MATERIAL CHEMISTRY											
ELEMENT-ID.	-C-	-MN-	-P-	-S-	-SI-	-NI-	-CR-	-MO-	-CU-	-AL-	Other
LADLE	.380	.770	.012	.001	.240	.070	.070	.219	.050	.040	

PHYSICAL PROPERTIES				
PHYSICAL	TENSILE	YIELD	SHEAR	HARDNESS
REQUIRED	10,100 lbs.	7,740 lbs.	8,280 lbs.	HRC 26-32
ACTUAL	12,956 lbs.	12,692 lbs.	8,939 lbs.	HRC 29-30

We hereby certify that the above data is correct and that the fasteners have been manufactured and inspected in accordance with Airfasco Industries quality requirements.

QS-082
REV 0
2/15

Airfasco Industries
Quality Assurance Representative:



T. West



2487 West Main Street
Lowell, MI 49331
Phone (616) 897-6080
Fax (616) 897-6228

SOLD TO

G3 Steel Group/o AIRFASCO
2655 HARRISON AVE SW
CANTON, OH 44706
USA

CERTIFICATION

WORK ORDER
F2330

HEAT NO.
1Q2137
SALES ORDER / RLS
F2330 / 1
ISO 9001-2008 REGISTERED

CERT# 911.01

CUSTOMER P.O.	CUSTOMER PART	QUANTITY	CARRIERS	LADING NO	SHIPMENT DATE						
61667-2		10,304 Lbs	4	00117024	04/27/2015						
SPECIFICATION G614037-303900-MA A-4037, AKFG, CHQ WIRE, SAFS Zinc Phosphate and Lube Coating, Size:0.389/0.391											
CERTIFICATION REQUIREMENTS											
Chemical Properties											
C 0.38	Si .24	Mn .77	P .012	S .001	Cu .05	Ni .07	Cr .07	Mo .219	Al .040	N .0042	
Physical Properties											
Mill Source, Grain Size Rocky Mounta	—	6									
Mechanical Properties											
TEST % Spheroidization Tensile Strength	UNITS %	KSI	Results 85 73.8								
<p>Merchandise covered by this invoice is warranted to be free from defects in workmanship or material but not for any specific length of time, type or measure of service. No claim for allowance will be recognized unless presented in writing within 10 days time after receipt of material. Our maximum liability for any claim predicated upon defective merchandise is limited to replacement of it, or to repayment of it, or to repayment of the purchase price thereof, as we elect. Material cut to specific length or size cannot be returned for credit and request for cancellation of such orders will not be considered if manufacture has been commenced. Buyer, by acceptance of the merchandise covered by this invoice, agrees to the foregoing terms and conditions and those set forth on the reverse hereof. "The recording of false, fictitious or fraudulent statements or entries on this document may be punished as a felony under Federal law, Title 18, Chapter 47."</p> <p>REPRODUCTION OF THIS CERTIFICATION IS NOT ALLOWED UNLESS IN FULL.</p> <p>Wire Tech, Inc. metallurgical laboratory is accredited in the following test: chemical analysis per ASTM E 415, mechanical testing per ASTM A 370, Rockwell hardness per ASTM E 18, metallographic mount preparation per ASTM E 3, decarburization depth per ASTM E 1077, API 140, Inclusion rating per ASTM E 45, decarburization performed as per API 140. The reported Chemical and Physical Properties are Mill Source results, transcribed from mill certificates. HRB(W) are hardness results performed with a 1/16" carbide ball. Unless otherwise specified, HRB and HRC results are conversions from ASTM A370 tables 1 and 2. Test result not covered by our current AZLA accreditation. Tests which have been undertaken by a subcontractor laboratory that is not accredited are not endorsed by AZLA or covered by Wire Tech, Inc. AZLA accreditation.</p> <p>TEST RESULTS PERTAIN ONLY TO THE ITEMS TESTED.</p> <p>LATEST REVISIONS OF ASTM</p> <p>DFAR Material per Clauses 252.225-7014 ALT. 1, 252.225-7009, & 225.003(9)</p> <p>Material is free of mercury, radium, or alpha contamination.</p>											



Michigan Wire Tech, LLC

2487 W. Main Street ph(616)897-6080
 P.O. Box 70 fx(616)897-6226
 Lowell, MI 49331

THIS REPORT SHALL NOT BE REPRODUCED IN WHOLE
 OR IN PART WITHOUT THE PRIOR WRITTEN APPROVAL
 OF MICHIGAN WIRE TECH LLC

We hereby certify that test results shown are correct as
 contained in the records of the company. These results
 relate only to the items tested.

Kevin Day Director of Quality Assurance

Kevin Day

Test Report

Purchase Order - Sold To:		Purchase Order - Ship To:		Sold To:	
61293 H7962				G3	
Vendor		Report Date	J#		
Michigan Wire Tech LLC 2487 West Main St. Lowell, MI 49331		10-6-14	J123012		
Specification	Size	Grade	Quantity	Weight	Ship To
NA	.390	4037	2	10142	
Tensile KSI	Hardness HRB	ROA %	Spheroidization % Minimum	Decarb 0.001 Inches TAD	
71.6	80	70.3	90	1	

Test Analysis: All tests were performed by Michigan Wire Tech LLC, unless otherwise specified, in accordance with the following: Mechanical Properties per ASTM E8, Rockwell Hardness (wt. %) per ASTM B18, Spheroidization per IFI-140 and Decarburization per ASTM E1077. All tests performed to the current standard date, unless otherwise noted.

Heat #	C	Mn	P	S	Si	Cu	Ni	CR	Mo	Al	B	Sn	V	N	CB	Mill
1Q2137A	.38	.77	.012	.001	.24	.05	.07	.07	.219	.040	.0001	.002	.006	.0042		EVRAZ



A DIVISION OF J.T. ADAMS CO., INC.

4520 WILLOW PARKWAY
CLEVELAND, OHIO 44125
PHONE (216) 641-3290
FAX (216) 641-1223
www.tensile.com

CERTIFIED TEST REPORT

Airfasco Industries Inc.
2655 Harrison Ave. SW
Canton OH 44706

Job No.: 1501-15-0685
Date: 1-19-15
Cust. PO#: 61593

Description: 1 sample Mill: Evraz Country of Melt: USA
Material: 4037 Heat# 1Q2137
Spec: AMS 6300E

TEST RESULTS

Product Analysis of Elements in % (OES per TTML C-011):

	<u>Actual</u>	<u>Requirements</u>
Carbon	0.38	0.35-0.40
Manganese	0.80	0.70-0.90
Phosphorus	0.008	0.040 Max.
Sulfur	<0.001	0.040 Max.
Silicon	0.23	0.15-0.35
Chromium	0.06	0.20 Max.
Nickel	0.07	0.25 Max.
Molybdenum	0.22	0.20-0.30
Columbium	<0.001	N/A
Aluminum	0.045	N/A
Copper	0.05	0.35 Max.
Vanadium	0.006	N/A
Titanium	0.003	N/A

The above conforms to specifications listed.

Michael J. Taylor
Authorized Agent

Page 1 of 1

This Report May Not Be Reproduced Except in Full
This report represents Tensile Testing Interpretation of the results obtained from the test and is not to be construed as a Guaranty or
Warranty of the condition of the materials tested. Tensile Testing shall not be held liable for misinterpretation of conditions, loss,
damage, injury or death arising from or attributable to delay preceding a test or subsequent to performance of a test.



CERTIFICATION OF PROCESS

CUSTOMER: AIRFASCO INDUSTRIES, INC
2655 HARRISON AVE SW
CANTON OH 44706

THIS IS TO CERTIFY THAT BRITE METAL INC. HAS PROCESSED THE FOLLOWING MATERIAL IN ACCORDANCE WITH THE MOST WIDELY ACCEPTED METALLURGICAL PROCEDURE.

PO #: 62330 **WEIGHT:** 1,429 **NO. BINS:** 1 **NO. PCS:** 24,400

PN#: AN6-13A **LOT#:** 25482 **MATERIAL#:** 4037

BM ORDER NO: 171014 **CORE HARD SPECS:** HRC 28-32

PROCESS TO: AMS 2759

DATE RECEIVED: 12/01/15 **DATE SHIPPED:**

HEAT TREATING TEST RESULTS

CORE HARDNESS: RC 29 / 30

SURFACE HARDNESS: RC 29 / 30 @.003

CASE DEPTH: N/A

CORE HARDNESS AS QUENCHED: N/A

INSPECTOR: SK

DATE: 12-14-15

Approved by Bruce Hogie
Revision Date: 2/13/2013

CERTIFICATE OF COMPLIANCE

SUPPLIER: BERRINGER PLATING, INC.
1211 DeValera Ave.
Akron, OH 44310
330-633-8409 Fx 330-633-8447
sales@beringerplating.com

CUSTOMER: Airfasco Industries, Inc.

Beringer Invoice: 91405

P.O. Number: 62396

Part Number: AN6-13A

Lot Number: 25482-01

Lot Quantity: 24,400 pcs

Specification: Cadmium Plate per AMS-QQ-P-416D Type II, Class 2

Mercury Free Clause: No possibility exists for mercury contamination to occur during processing or testing of parts on this contract.

Coating Thickness: .0003 inches

Embrittlement Relief

Baked: N/A Hours at _____ F Within 1 Hour of Plating.

Inspection Level to applicable standard:

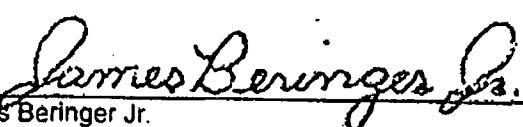
S-3 of MIL-STD-105D: 4 %

ASTM B602 Table II: 1.50%

Aircraft Braking System: 1%

ACC. X

Certified By:


James Beringer Jr.
President

Date: 1/5/2016

AIRFASCO Industries

2655 Harrison Avenue SW Canton, OH 44706

Nondestructive Testing Certification Wet Fluorescent Magnetic Particle Inspection Technique

Part Data

Part Number	Lot Number	Dimensions	Part Description
AN6-13A	25482	.3750-24 X 1.453	BOLT-MACHINE, AIRCRAFT

Reference Data

Specification	Procedure Number	Acceptance Criteria
ASTM E1444	MT-1	No Cracks, NASM6812

Inspection Equipment Data

Model Number	Manufacturer	Serial Number
H-800 Retro	Magnaflux Corporation	91R00150

Inspection Material Data

Particles	Mfr	Batch No.	Carrier	Mfr	Batch No.
14A	Magnaflux	10G078	MG II	Magnaflux	14B056

Technique Data

Type Current	Circular Field		Longitudinal Field	
	Headshot Amps	Central Conductor Amps	Coil shot Amps	Coil Turns
FWDC	250	N/A	1990	5

Particle application by the flow method, continuous technique
Demagnetization performed by the AC Coil method, Residual field +/- 3

Inspection Results

Lot Size	Inspection Sample Size	Quantity accepted	Quantity rejected
24400	50	50	0

Notes:

Performed by / Level	Reviewed & Approved by:	Date
		1/8/16
D. SHOUP ASNT NDT LEVEL III	D. SHOUP ASNT NDT LIII #176608	



2655 Harrison Ave. SW
Canton, Ohio 44706-3047
Phone: 330-430-6190
Fax: 330-430-6199

CERTIFICATE OF CONFORMANCE

EAST COAST AVIATION

I Hereby Certify that on 10/21/14 Airfasco Industries provided the supplies called for by Contract/ PO Number 70679 in accordance with all applicable requirements for shipment. I further state that the process certifications are in conformance with the contract requirements, including specifications and/or drawings, physical item identification (part number) and the quantity shown on this or attached acceptance document. The part numbers certified below have been manufactured in the United States. DFAR 252.225-7009 compliant in fastener base raw material melt source only, with heat number and country, does not include the post cadmium metal plating.

Quality Assurance Representative


WM. DENT

WM. DENT

**Alcoa
Fastening
Systems**



Aerospace Products - Republic Operations

QUALITY OPERATING FORM

Document: **F-10.700.6**
Revision: **4**
Date: **December 21, 2012**
DCN: **2055**

CERTIFICATE OF TEST

WE HEREBY CERTIFY THAT ALL MATERIALS USED IN THE MANUFACTURE OF PARTS COVERED BY THE REPORT CONFORM TO THE MATERIAL SPECIFICATIONS CALLED FOR BY THE PURCHASE ORDER. WE FURTHER CERTIFY THAT THE PARTS ARE MANUFACTURED IN ACCORDANCE WITH APPLICABLE DRAWINGS OR SPECIFICATIONS CURRENT ON THE DATE OF MANUFACTURE. TEST REPORTS COVERING MATERIALS IN THESE PARTS AND INDICATING CONFORMANCE WITH APPLICABLE SPECIFICATIONS ARE ON FILE AND SUBJECT TO EXAMINATION. PARTS AS SHIPPED HAVE NEVER BEEN IN CONTACT WITH MERCURY. THIS REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT WRITTEN APPROVAL OF THE LABORATORY.

PARTS MANUFACTURED IN: U.S.A. MEXICO

IN ACCORDANCE WITH: DFAR 252.225.7014 ALT. I and DFAR 252.225.7009

Delphina Martinez

Signature of Quality Assurance Representative

10-08-13

Date



P.O. No: **83240**

Item No: **MS21075L3 REV.2**

Quantity
Ordered: **99,280**

Date Cert
Ordered: **10-08-13**

Customer: **AIRCRAFT FASTENERS**

ID No.: **36894**

Description: **ASSEMBLY**

Procurement
Spec.: **NASM25027**

Also Certified
To: **MS21075L3N**
NAS1068RA3 REV.13

Additional
Info: **RFM20A3**

Date of
Manufacture: **4-06-13**

Notice to Subsequent Purchaser or Repacker.
These articles are imported. The requirements of 19 U.S.C.
1304 & CFR part 134 provide that the articles or their
containers must be marked in a conspicuous place as
legibly, indelibly & permanently as the nature of the article or
container will permit, in such a manner as to indicate to an
ultimate purchaser in the United States, the English name of
the country of origin of the article.

IF APPLICABLE, CHECK ON BELOW:

FAA CERTIFICATION (PMA): IT IS HEREBY CERTIFIED THAT (A) THE PARTS AND/OR MATERIALS REFLECTED
HERE-IN WERE PRODUCED UNDER FEDERAL AVIATION ADMINISTRATION APPROVED MANUFACTURING AND
QUALITY CONTROL SYSTEMS/METHODS AS SET FORTH IN FEDERAL AVIATION REGULATION, PART 21, SUB-PART
K, PARAGRAPH 21.303 AND (B) ALL PARTS AND/OR MATERIALS ARE CERTIFIED NEW, CONFORMS TO THE DESIGN
DATA AND ARE IN AIR WORTHY CONDITION.

Signature of Quality Assurance Representative

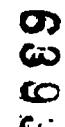
Date

TSO-C148 STATEMENT: THE PARTS CONTAINED IN THIS SHIPMENT HAVE BEEN MANUFACTURED AND
INSPECTED IN ACCORDANCE WITH TSO-C148. THE CONDITIONS AND TESTS REQUIRED FOR TSO APPROVAL OF
THIS ARTICLE ARE MINIMUM PERFORMANCE STANDARDS. AIRCRAFT FASTENERS APPROVED UNDER THIS TSO
ARE NOT NECESSARILY INTERCHANGEABLE WITH OTHER AIRCRAFT FASTENERS APPROVED UNDER THIS TSO.
FASTENERS OF SIMILAR DIMENSIONAL PROPERTIES MAY HAVE WIDELY VARYING PERFORMANCE AND
METALLURGICAL PROPERTIES. SUBSTITUTION OF PARTS MAY ONLY BE DONE IS ACCEPTABLE TO OR APPROVE
BY THE ADMINISTRATOR.

Delphina Martinez
Signature of Quality Assurance Representative

10-08-13

Date



Nº 80838

CERTIFICATE OF COMPLIANCE TEST REPORT

FORM REV A 11/09

MADE IN THE U.S.A.

CUSTOMER NAME EAST COAST AVIATION SUPPL

PART NO. MS27039-0819* REV 3

PURCHASE ORDER NO. 65200

INTERNAL ROUTING NO. 31531

QUANTITY TWENTY FIVE THOUSAND

MATERIAL/SPECIFICATION .176 A-8740 WIRETECH 10189930

DATE 7/29/2013

PARTS CONTAINED IN THIS SHIPMENT HAVE BEEN MANUFACTURED AND
INSPECTED IN ACCORDANCE WITH APPLICABLE DRAWINGS AND
SPECIFICATIONS.

PHYSICAL PROPERTIES

TENSILE STRENGTH	HARDNESS	SCALE
------------------	----------	-------

1) 2025.0 LB T	1)	
2) 2000.0 LB T	2)	
3) 1999.0 LB T	3)	
4) 2021.0 LB T	4)	
5) 2028.0 LB T	5)	
6)	6)	
7)	7)	
8)	8)	

CONFORMS TO THE PROCUREMENT SPECIFICATIONS OF:

NASM 7839

DFARS 252.225-7009

OTHER MECHANICAL TEST DATA

MEET MAGNETIC PERMEABILITY REQUIREMENTS OF
FF-S-92B, MIL-I-17214B, AND ASTM A342/A 342M TEST
METHOD 3.

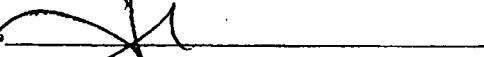
PARTS ARE FREE FROM MERCURY AND ASBESTOS CONTAMINATION.
VISUAL AND DIMENSIONAL INSPECTION SATISFACTORY

FINISH

CAD TYPE 2 CLASS 2 PER AMS QQ-P-416 REV C

INSPECTED TO: ANSI/ASQ Z1.4 LEVEL 2

Signature



TRACEY NIKSA, QC TECH

Cage Code #63020

700 George Washington Turnpike, Burlington, CT 06013, U.S.A.
Telephone: (860) 673-2591 Fax: (860) 673-5973

CRESCENT MANUFACTURING OPERATING, CO.

